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2. [HIDE: a Hierarchical Network Intrusion Detection System Using Statistical Preprocessing and Neural Network \(PDF\)](#)   
 Paper# 19. 1. Abstract—In this paper we introduce the Hierarchical. **Intrusion** DEtection (HIDE) system, which detects **network**-based. attacks as anomalies using statistical preprocessing and neural. **network** classification. ... types of neural **network** classifiers: Perceptron, **Backpropagation** (BP), Perceptron-**backpropagation**-hybrid ...  
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3. [Proceedings of the 1st Workshop on Intrusion Detection and Network Monitoring, April 9-12, 1999, Santa Clara, ...](#)   
 USENIX Technical Program - Paper - 1st Workshop on **Intrusion Detection and Network Monitoring** [Technical Program] Pp. 51–62 of the Proceedings. Learning Program Behavior Profiles for **Intrusion Detection**1. Anup K.  
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4. [A Hierarchical Anomaly Network Intrusion Detection System using Neural Network Classification \(PDF\)](#)   
 A Hierarchical Anomaly **Network Intrusion Detection System**. using Neural **Network** Classification. ZHENG ZHANG, JUN LI, C. N. MANIKOPOULOS, JAY JORGENSON and JOSE UCLES. ECE Department, New Jersey Inst. of Tech., ...  
 hierarchical anomaly **network intrusion** detection system, which ... **Intrusion** Detection, Statistical Preprocessing, Neural **Network** Classification, Perceptron- **Backpropagation**-Hybrid ...  
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5. [Proceedings of the 8th USENIX Security](#)



... was implemented: a **backpropagation neural network**. The **backpropagation network** has been used ... in other **intrusion detection studies** [10,2]. The **backpropagation network**, or **backprop** ...

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6. **A LIGHTWEIGHT INTRUSION DETECTION SYSTEM FOR THE CLUSTER ENVIRONMENT** By **ZHEN LIU** (PDF)

... A LIGHTWEIGHT INTRUSION DETECTION SYSTEM FOR ... 4.2 Using **backpropagation neural network** for **intrusion detection**. 45 ...

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7. **Learning Program Behavior Profiles for Intrusion Detection** (PDF)

... anomalous behavior and evolve to a feed forward. **backpropagation neural network** for learning pro ... for the two other **intrusion detection** approaches. The **Backpropagation Network**. The goal ...

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8. **Intrusion Detection with Neural Networks – Combination of Self-Organizing Maps and Radial Basis Function Networks** (PDF)

... **Neural Network and Intrusion Detection** ...

**Backpropagation**, for **Intrusion Detection**. SOM is used as a preprocessing stage and its output is used. as input for MLP. The combined **network** ...

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9. **Topic #27: Machine learning in IDS #2 – Summary**

... **Intrusion Detection**", USENIX Workshop on **Intrusion Detection and Network Monitoring**, 1999, Paper ... algorithm; a **backpropagation network**, which was a neural network implementation; and ...

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10. [http://www.cse.ogi.edu/class/cse525/summaries/27/Machine\\_learning\\_in\\_IDS.ppt](http://www.cse.ogi.edu/class/cse525/summaries/27/Machine_learning_in_IDS.ppt) (MICROSOFT POWERPOINT)

... for **Intrusion Detection**, USENIX Workshop on **Intrusion Detection and Network Monitoring**, 1999 ... the probability of **intrusion**. Paper #3. A **backpropagation network** attempts to learn from ...

[www.cse.ogi.edu/class/cse525/summaries/27/Machine\\_learning\\_in\\_IDS.ppt](http://www.cse.ogi.edu/class/cse525/summaries/27/Machine_learning_in_IDS.ppt) - 201k -

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